



**Aarus Life Style Hospital Laboratory,
Kupondole Height, Lalitpur**

Discipline: CLINICAL BIO-CHEMISTRY, CLINICAL PATHOLOGY & HEMATOLOGY

Certificate Number: MLS- 014

Issue Date: 01-05-2026

Expiry Date: 30-04-2029

Annexure: Scope

The clinical laboratories under the scope of AERSSC accreditation (ISO 15189:2022) are:

Clinical Biochemistry

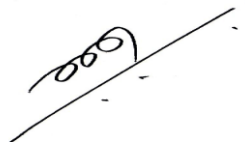
S.N	Product (s) / Material /Item tested	Specific tests Performed	*Test Method/ Standard against which tests are performed	Range of Testing/ Limit of	CV%
1.	Serum	Albumin	Bromo - Cresol Green	1.0 - 6.0 g/dL	6.5
2.	Serum	ALP	p-nitrophenyl phosphate, AMP buffer	20.0 - 1500 U/L	6.4
3.	Serum	ALT	Pyridoxal – 5- phosphate	4.0 - 750 U/L	9.5
4.	Serum	AST	Pyridoxal – 5- phosphate	3.0 - 750 U/L	8.2
5.	Serum	Bilirubin, Total	Diazonium salt 4- (N- carboxymethylsulfonyl)	0.1 – 27.0 mg/dL	6.1
6.	Serum	Calcium	Arsenazo III dye	4.0-14.0 mg/dL	4.2
7.	Serum	Cholesterol total	Cholesterol ester hydrolase/oxidase/peroxidase	50 - 325 mg/dL	5.4
8.	Serum	Cholesterol HDL	TA/MgCl ₂ /B- 66/ChOH/ChOPOD	5 - 110 mg/dL	5.3
9.	Serum	Cholesterol LDL	TOOS and 4-aminoantipyrine	30-350 mg/dL	5.6

10	Serum	Creatinine	Aminohydrolase	0.15-14.0 mg/dL	4.7
11	Plasma	Glucose	Glucose Oxidase Peroxidase	20 - 625 mg/dL	4.8
12	Serum	Sodium	Direct ISE	75-250 mEq/L	4.1
13	Serum	Potassium	Direct ISE	1.00 -14.0 mEq/L	4.5
14	Serum	Protein Total	Biuret method	5.05-124 g/dL	4.0
15	Serum	Triglyceride	Lipase/Glycerol Kinase	10.0 - 525 mg/dL	5.8
16	Serum	Uric Acid	Uricase/Peroxidase	0.50 – 17.0 mg/dL	4.1
17	Serum	Urea	Urease	4.29 – 257.4 mg/dL	2.9
18	EDTA Whole Blood	Glycosylated Hb	HPLC	3.9 – 18.8 %	7.9
19	Serum	Free T4	ECL	0.88- 90.0 pmol/L	6.8
20	Serum	Free T3	ECL	0.77 – 35.0 pmol/L	8.4
21	Serum	TSH	ECL	0.01 - 150 μ IU/mL	7.2
22	Serum	Vitamin B12	ECL	159 - 1000 pg/mL	19.9
23	Serum	Vitamin D	ECL	8.0 - 150 ng/mL	27.1
24	Serum	Bilirubin, Direct	Calculated	0-27 mg/dL	NA

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Clinical Hematology

S.N	Product (s) / Material /Item tested	Specific tests Performed	*Test Method/ Standard against which tests are performed	Range of Testing/ Limit of	CV%
1	EDTA Whole Blood	Neutrophil	Light scatter by laser	0.0 to 299×10^3 cells/ μ L	14
2	EDTA Whole Blood	Lymphocyte	Light scatter by laser	0.0 to 299×10^3 cells/ μ L	13
3	EDTA Whole Blood	Monocyte	Light scatter by laser	0.0 to 299×10^3 cells/ μ L	21
4	EDTA Whole Blood	Eosinophil	Light scatter by laser	0.0 to 299×10^3 cells/ μ L	28
5	EDTA Whole Blood	Basophil	Light scatter by laser	0.0 to 299×10^3 cells/ μ L	12
6	EDTA Whole Blood	HCT	Histogram Calculation	0.0 to 99.9 %	2.0
7	EDTA Whole Blood	Hemoglobin	Surfactant method	0.0 to 29.9 g/dL	2.8
8	EDTA Whole Blood	MCH	Histogram Calculation	10.0 to 50.0 pg	2.2
9	EDTA Whole Blood	MCHC	Histogram Calculation	10.0 to 50.0 g/dL	2.3
10	EDTA Whole Blood	MCV	Histogram Calculation	20.0 to 199.0 fL	0.6
11	EDTA Whole Blood	Platelets	Electrical resistance detection	0.0 to 1490×10^3 cells/ μ L	8.3
12	EDTA Whole Blood	RBC	Electrical resistance detection	0.0 to 14.9×10^6 cells/ μ L	1.5
13	EDTA Whole Blood	RDW	Histogram Calculation	0 to 50%	2.9
14	EDTA Whole Blood	WBC	Light scatter by laser	0.0 to 299.0×10^3 cells/ μ L	2.3



Clinical Pathology

S.N	Product (s) / Material /Item tested	Specific tests Performed	*Test Method/ Standard against which tests are performed	Range of Testing/ Limit of	CV%
1.	Urine	Colour/Transparency	Visual Examination	NA	NA
2.	Urine	Glucose	GOD-POD	Neg - 4+	NA
3.	Urine	Bile Salt	Diazo Reaction/ Hay's Sulphur Test	Neg - 4+	NA
4.	Urine	Ketone	Sodium Nitroprusside Reaction/Rothera's Test	Neg - 4+	NA
5.	Urine	Specific gravity	pKa Change/Indicator	1.005 – 1.030	NA
6.	Urine	pH	Double Indicator	5.0 – 9.0	NA
7.	Urine	Protein	Protein error of indicator/ Sulphosalicylic Acid method	Neg - 4+	NA
8.	Urine	RBC, Pus Cells, Epithelial Cells, Cast, Crystals, Any Other Cells, Eosinophils	Microscopy	0 – Plenty / hpf	NA
9.	Urine	Reducing Substance	Benedict's method	Positive / Negative	NA
10.	Stool	Colour, Consistency, Mucus, Blood	Visual Examination	NA	NA
11.	Stool	RBC, Pus Cells, Vegetable Matter, Trophozoites, Ova, Cyst, Any Other Findings	Microscopy	0 – Plenty / hpf	NA
12.	Stool	Occult Blood	Standard Two Field Guaiac Method	Positive / Negative	NA
13.	Semen	Volume,Color, Liquefaction, Viscosity	Visual Examination	NA	NA
14.	Semen	pH	Indicator Method	5.0 – 9.0	NA
15.	Semen	Fructose	Seliwanoff's Method	Positive / Negative	NA
16.	Semen	Motility	Microscopy	NA	NA
17.	Semen	Morphology	PAP Staining and Microscopy	NA	NA
18.	Semen	Vitality	Eosin-Nigrosine Staining and Microscopy	NA	NA

19.	Semen	Sperm Count	Improved Neubauer chamber/Automated	0 — 50 x 10 ⁶ /ml	NA
20.	Semen	Sperm Count Per Ejaculate	Calculated	NA	NA
21.	Semen	Red Cells, Pus Cells, Epithelial Cells, Crystals, Amorphous, Deposit, Bacteria	Microscopy	NA	NA

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